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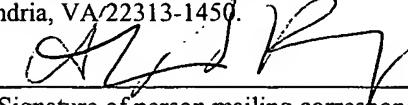
PATENT
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Alexis L. Perry

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Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kearney et al.

Art Unit: 2862

Serial No.: 10/719,916

Examiner: Not Yet Assigned

Filed: November 21, 2003

Customer No.: 21559

Title: CONSTELLATION MAPPING AND USES THEREOF

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the enclosed Form PTO-1449, copies of which are enclosed, with the exception of U.S. patents and U.S. patent application publications. A copy of a communication from a foreign patent office in a counterpart application is also enclosed. A copy of a search report from a corresponding international application is also enclosed.

Submission of this statement is not a representation that a search has been made, nor is the inclusion of information in this statement an admission that the information is material to patentability.

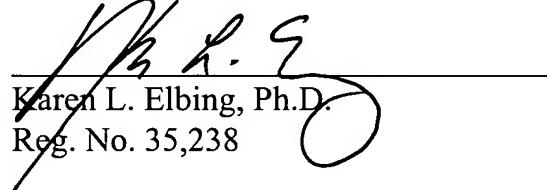
This statement is being filed before the receipt of a first Office action on the merits.

Applicants note that Information Disclosure Statements and Forms PTO-1449 were filed in this case on June 21, 2004, June 23, 2004, and October 5, 2005, respectively, and that they have not yet received initialed copies of the Forms PTO-1449. Applicants thus request an initialed copy of the Forms PTO-1449.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 06 February 2006


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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50111/081002
			Serial No.	10/719,916
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Kearney et al.	
		Filing Date	November 21, 2003	
		Group	2862	
(37 C.F.R. § 1.98(b))		IDS Filed	February 6, 2006	

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant	Class	Subclass	Filing Date (If Appropriate)
	6,906,320 B2	06/14/2005	Sachs et al.			
	6,835,927 B2	12/28/2004	Becker et al.			
	6,218,122 B1	04/17/2001	Friend et al.			
	5,885,841	3/23/1999	Higgs, Jr. et al.			
	2006/003385 A1	01/05/2006	Aguilera et al.			
	2005/0233464 A1	10/20/2005	Compton et al.			
	2005/0092910 A1	05/05/2005	Geromanos et al.			
	2004/0113062	07/17/2004	Norton			
	2002/0119490 A1	8/29/2002	Aebersold et al.			
	2002/0115056 A1	8/22/2002	Goodlett			
	2003/0040123	02/27/2003	Hastings			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
	WO 03/054549 A2	07/03/2003	WIPO			
	WO 03/042774	05/22/2003	WIPO			
	WO 02/061661	08/08/2002	WIPO			
	WO 01/84143 A	11/8/2001	WIPO			
	GB 2385918 A	03/09/2003	United Kingdom			

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50111/081002
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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Abramson et al., "Application of High-Performance Liquid Chromatography With Isotope-Ratio Mass Spectrometry For Measuring Low Levels of Enrichment of Underivatized Materials," <i>Journal of Chromatography A</i> , 913:269-273 (2001).
	Bylund et al., "Chromatographic Alignment of Warping and Dynamic Programming as a Pre-Processing Tool for PARAFAC Modelling of Liquid Chromatography-Mass Spectrometry Data," <i>J. Chromatog. A</i> 961:237-244 (2002).
	Bondarenko et al., "Identification and Relative Quantitation of Protein Mixtures by Enzymatic Digestion Followed by Capillary Reversed-Phase Liquid Chromatography – Tandem Mass Spectrometry," <i>Anal. Chem.</i> 74:4741-4749 (2002).
	Bures et al., "Identification of Incompletely Processed Potential Carboxypeptidase E-Substrates from CpE ^{fat} /CpE ^{fat} Mice," <i>Proteomics</i> 1:79-92 (2001).
	Chelius et al., "Quantitative Profiling of Proteins in Complex Mixtures Using Liquid Chromatography and Mass Spectrometry," <i>J. of Proteome Res.</i> 1:317-323 (2002).
	Cottrell, "Protein Identification by Peptide Mass Fingerprinting," <i>Pept. Res.</i> 7:115-124 (1994).
	Davis et al., "Automated LC-LC-MS-MS Platform Using Binary Ion-Exchange and Gradient Reversed-Phase Chromatography for Improved Proteomic Analyses," <i>J. Chromatogr. B. Biomed. Sci. Appl.</i> 752:281-291 (2001).
	Dharsee et al., "Automated Differential Analysis of LC-MS Data Sets," 5 th Annual Canadian Proteomics Initiative Conference," (University of Toronto, Toronto, Ontario, Canada (May 13-14, 2005)).
	Faubert et al., "Monitoring Protein Expression Profiles Between Differentiated Cells Using the Normalized Abundance of Native Tryptic Peptides," <i>Abstract Proc. 50th ASMA Conference on Mass Spectrometry and Allied Topics</i> , Orlando, June 3-6, 2002.
	Godovac-Zimmermann et al., "Perspectives for Mass Spectrometry and Functional Proteomics," <i>Mass Spectrom. Rev.</i> 20:1-57 (2001).
	Gygi et al., "Evaluation of Two-dimensional Gel Electrophoresis-based Proteome Analysis Technology," <i>Proc. Natl. Acad. Sci. USA</i> 97:9390-9395 (2000).
	Han et al., "Quantitative Profiling of Differentiation-Induced Microsomal Proteins Using Isotope-Coded Affinity Tags and Mass Spectrometry, <i>Nat. Biotechnol.</i> 19:946-951 (2001).
	Hastings et al., "New Algorithms For Processing and Peak Detection in Liquid Chromatography/Mass Spectrometry Data," <i>Rapid Commun. Mass Spectrom.</i> 16:462-467(2002).
	Hoke et al., "Transformations in Pharmaceutical Research and Development, Driven by Innovations in Multidimensional Mass Spectrometry-Based Technologies" <i>Int. J. Mass Spectrom.</i> 212:135-196 (2001).
	Horn et al., "Automated Reduction and Interpretation of High Resolution Electrospray Mass Spectra of Large Molecules," <i>J. Am. Soc. Mass. Spectrom.</i> 11:320-332 (2000).

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		Applicant Kearney et al.
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		Group 2862
(37 C.F.R. § 1.98(b))		IDS Filed February 6, 2006

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Kearney et al., "Bioinformatics Meets Proteomics – Bridging the Gap Between Mass Spectrometry Data Analysis and Cell Biology," <i>Journal of Bioinformatics and Computational Biology</i> 1:183-200 (2003).
	Link et al., "Direct Analysis of Protein Complexes Using Mass Spectrometry," <i>Nat Biotechnol</i> 17:676-682 (1999).
	Mintz et al., "Purification and Biochemical Characterization of Interchromatin Granule Clusters," <i>EMBO J</i> 18:4308-4320 (1999).
	Nyman, "The Role of Mass Spectrometry in Proteome Studies," <i>Biomol. Eng.</i> 18:221-227 (2001).
	Patterson et al., "Mass Spectrometric Identification of Proteins Released From Mitochondria Undergoing Permeability Transition," <i>Cell Death Differ.</i> 7:137-144 (2000).
	Senko et al., "Automated Assignment of Charge States from Resolved Isotopic Peaks for Multiply Charged Ions," <i>J. Am. Soc. Mass. Spectrom.</i> 6:52-56 (1995).
	Shevchenko et al., "Rapid 'de Novo' Peptide Sequencing by a Combination of Nanoelectrospray, Isotopic Labeling and a Quadrupole/Time-of-flight Mass Spectrometer," <i>Rapid Commun. Mass Spectrom.</i> 11:1015-1024 (1997).
	Taylor et al., "Parallel Molecular Dynamics: Implications for Massively Parallel Machines," <i>Journal of Parallel and Distributed Computing</i> 45:166-175 (1997).
	Wiener et al. "Differential Mass Spectrometry: A Label-free LC-MS Method for Finding Significant Differences in Complex Peptide and Protein Mixtures," <i>Anal. Chem.</i> 76:6085-6096 (2004).
	Yao et al., "Proteolytic ¹⁸ O Labeling for Comparative Proteomics: Model Studies with Two Serotypes of Adenovirus," <i>Anal. Chem.</i> 73:2836-2842 (2001).
	Copy of the PCT International Search Report, PCT IB03/06376, date of mailing September 20, 2005 (7 pages).
	Copy of the PCT Written Opinion, PCT IB03/06376, date of mailing September 26, 2005 (2 pages).

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